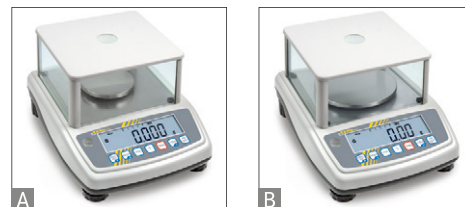


Precision balance KERN PFB



Quick-displaying precision balance with user-friendly operation modes and EC type approval

Features

- **Easy use:** All primary functions have their own key on the keypad
- **Compact size,** practical for small spaces
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **Level indicator and levelling feet** to level the balance precisely, fitted as standard, to give the most accurate weighing results
- **Draught shield** standard for models with weighing plate size **A** and **B**. Removable metal cover with pipette opening. Weighing space WxDxH 158x143x64 mm
- **1 Separate second display** standard for models PFB 600-1M and PFB 6000-0M.

Suitable for direct sales to the public. The verification value is the same as the readout. Large backlit LCD display, digit height 16 mm. Interface cable to the balance, cable length approx. 1 m, standard. Dimensions WxDxH 250x180x105 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Weighing plate dimensions (stainless steel)
 - A** Ø 80 mm, **B** Ø 120 mm
 - C** WxD 155x145 mm, see enlarged picture
- Overall dimensions (without draught shield) WxDxH 200x190x87 mm
- Net weight approx. 2 kg
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **1 Separate second display,** ideal for training and demonstration purposes in laboratories or industry, not permitted for direct sales to the public, KERN PFB-A08
- **Bluetooth data interface** for wireless data transfer to PC, must be ordered at purchase, KERN PFB-A10
- **Suitable printers** see page 157 ff.

STANDARD



OPTION











































FACTORY



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Reproducibility g	Linearity g	Weighing plate	Options		
							Verification		DAkkS-Calibr. Certificate
							MII KERN		DAkkS KERN
PFB 120-3	120	0,001	-	0,001	± 0,003	A	-		963-127
PFB 200-3	200	0,001	-	0,001	± 0,003	A	-		963-127
PFB 300-3	300	0,001	-	0,002	± 0,003	A	-		963-127
PFB 1200-2	1200	0,01	-	0,01	± 0,03	B	-		963-127
PFB 2000-2	2000	0,01	-	0,01	± 0,03	B	-		963-127
PFB 3000-2	3000	0,01	-	0,01	± 0,03	B	-		963-127
PFB 6K0.05	6000	0,05	-	0,05	± 0,15	C	-		963-128
PFB 6000-1	6000	0,1	-	0,1	± 0,3	C	-		963-128
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
PFB 600-2M	600	0,01	0,1	0,01	± 0,02	B	965-216		963-127
PFB 600-1M	600	0,1	0,1	0,1	± 0,1	B	965-216		963-127
PFB 6000-1M	6000	0,1	1	0,1	± 0,3	C	965-217		963-128
PFB 6000-0M	6000	1	1	1	± 1	C	965-217		963-128

KERN Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 Suspended weighing: Load support with hook on the underside of the balance.
 Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.	 Rechargeable battery pack: Rechargeable set.
 Data interface RS-232: To connect the balance to a printer, PC or network.	 Totalising level A: The weights of similar items can be added together and the total can be printed out.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.	 Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 USB data interface: To connect the balance to a printer, PC or other peripherals.	 Strain gauges: Electrical resistor on an elastic deforming body.	
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.	
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 Percentage determination: Determining the deviation in % from the target value (100 %).	 Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 Weighing units: Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.	 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.
 Interface for second balance: For direct connection of a second balance.	 Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 Verification possible: The time required for verification is specified in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 Vibration-free weighing: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 DAkkS calibration possible: The time required for DAkkS calibration is shown in days in the pictogram.
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary.	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories"	 ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.

Your KERN specialist dealer:

Thanks to the high level of automation, we can carry out DAkkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DAkkS calibration of balances with a maximum load of up to 6 t
- DAkkS calibration of weights in the range of 1 mg - 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL